Front-end logic design and animation

This chapter I will introduce the underlying front-end side of LPS visualiser. Which include three main part. Part one is the animation part which is mainly about the PIXI canvas. The second part is the link between the animation and data (fluent/facts) how is the data parsed. The third part is about the layout design using twitter bootstrap and other open source toolkit.

3.4.1 Animation.js

3.4.1.1 introduction

3.4.1.2 structure

3.4.1.3 class fields

3.4.1.4 functionality

3.4.2 preprocessing.js

3.4.2.1 introduction

3.4.2.2 structure

3.4.2.3 Document Object Model (DOM)

3.4.2.4 functionality

3.4.3 Demonstration Website design

3.4.3.1 structure

3.4.3.2 API and open source toolkit

3.5 back-end hosting

3.5.1 back-end hosting

3.5.1.1 introduction

3.5.1.2 structure

3.5.1.3 Express.js

3.5.1.4 MongoDB and mongoose

3.5.1.5 Passport.js

3.5.1.6 AWS EC2 server